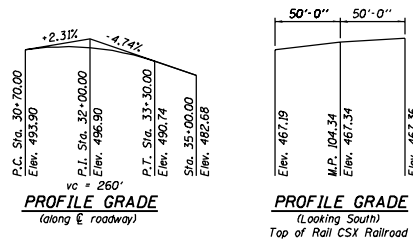
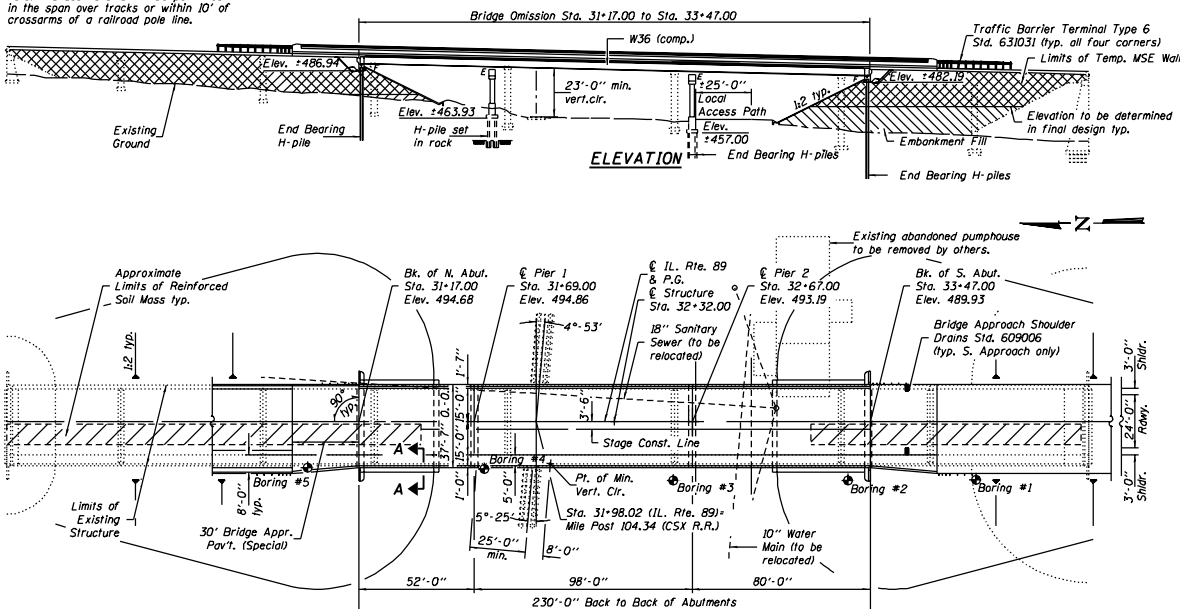


Existing Structure: S.N. 006-0110, originally built in 1936 as S.A. Route 21. In 1970 the deck was replaced and an interior beam line was added. The existing structure consists of 8 spans - 3 span continuous steel, 4 span continuous steel, and 1 steel simple span. The back to back abutment length is 486'-6" and the out to out bridge width is 36'-9". Structure to be removed and replaced. Traffic to be maintained utilizing stage construction.

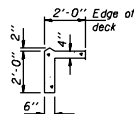
Salvage: Existing aluminum rail to be removed from west side of bridge and attached to the new west parapet.

Note: No deck drains will be permitted in the span over tracks or within 10' of crossarms of a railroad pole line.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN



SECTION A - A

DESIGNED	J.A. Elston
CHECKED	G.G. Eicher
DRAWN	W.D. Collins
CHECKED	T.A. Craven

20

EXAMINED

PASSED

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

HIGHWAY CLASSIFICATION

F.A.P. Rte. 698 - IL. Rte. 89
Functional Class: Other Principal Arterial (Urban)
ADT: 5700 (2002); 8000 (2022)
ADTT: 467 (2002) 656 (2022)
Design Speed: 35 m.p.h.
Posted Speed: 35 m.p.h.

LOADING HL 93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1998 AASHTO LRFD Bridge Design Specifications
with 1999 thru 2002 Interims

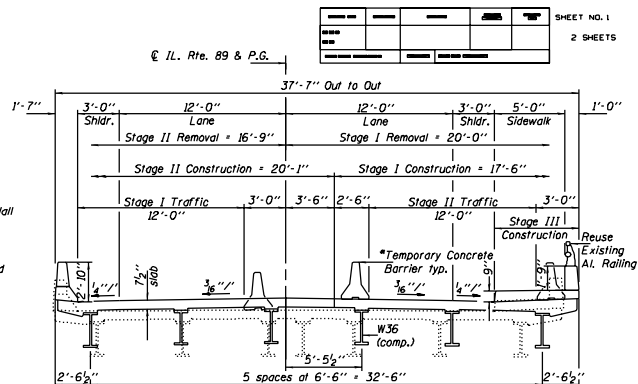
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (reinforcement)}$
 $f_y = 50,000 \text{ psi (M270 Grade 50W)}$

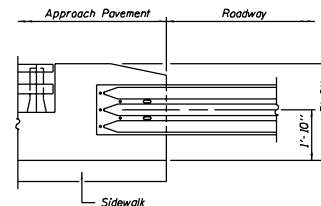
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Bedrock Acceleration Coefficient (A) = 0.05g
Site Coefficient (S) = 1.1



CROSS SECTION
(Looking South)

*To be relocated for Stage III Const.



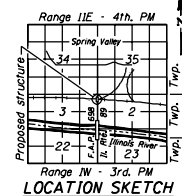
TYPE 6 RAIL ATTACHMENT DETAIL

(West Parapet)

APPROVED

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

FEB 26 2004

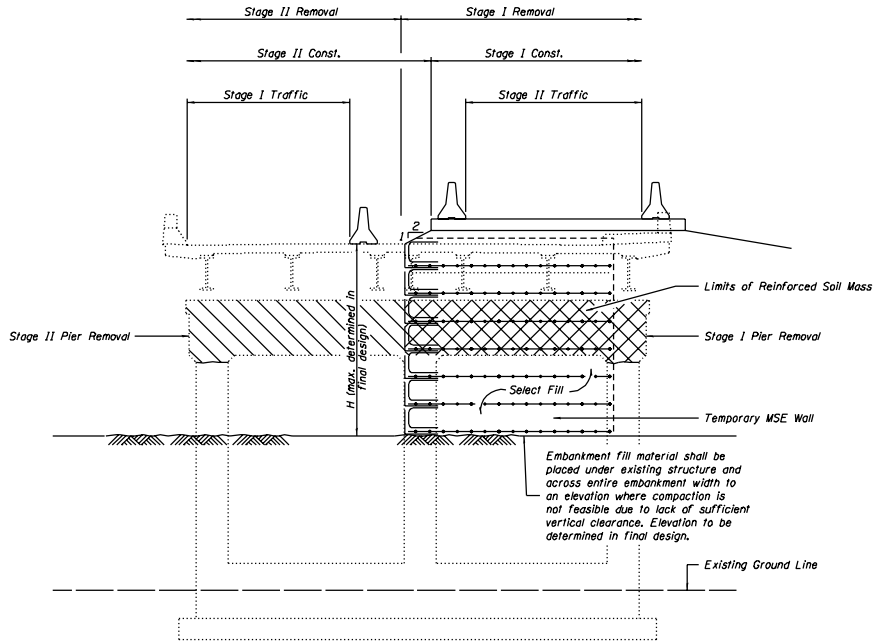


GENERAL PLAN
ILLINOIS ROUTE 89 OVER
CSX RAILROAD
F.A.P. ROUTE 698 - SECTION IVBR
BUREAU COUNTY
STATION 32+32.00
STRUCTURE NO. 006-0164

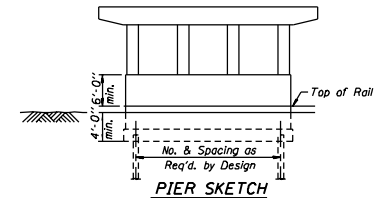
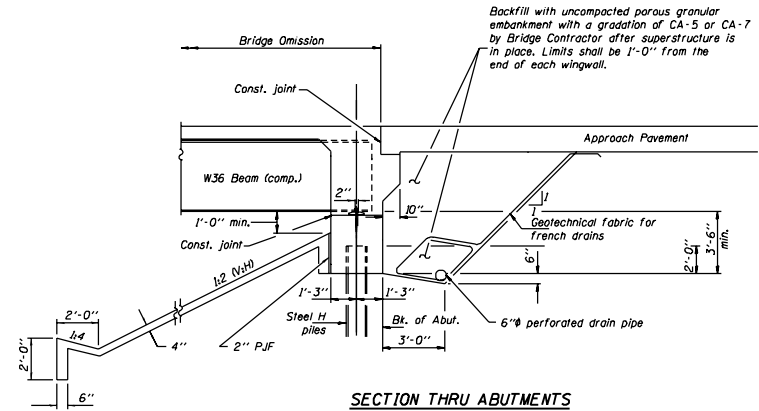
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGNED	CHECKED	EXAMINED	PASSED	DATE
DATE	DATE	DATE	DATE	DATE

SHEET NO. 2
2 SHEETS



TEMPORARY MSE WALL DETAIL



DESIGNED	J.A. Elston	20
CHECKED	G.G. Elcher	EXAMINED
DRAWN	W.D. Collins	PASSED
CHECKED	T.A. Croven	ENGINEER OF BRIDGE DESIGN
		ENGINEER OF BRIDGES AND STRUCTURES

DETAILS
ILLINOIS ROUTE 89 OVER
CSX RAILROAD
F.A.P. ROUTE 698 - SECTION IVBR
BUREAU COUNTY
STATION 32+32.00
STRUCTURE NO. 006-0164